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54 **Premixed pilot nozzle for dry low NOx combustor.**

57 A dual mode, dual stage low NOx combustor, includes a primary combustion chamber and a secondary combustion chamber separated by a throat region of reduced diameter. Fuel is input into the primary combustors by an annular array of diffusion type nozzles whereas in accordance with the invention fuel is input into the secondary combustor by a central combination premix and diffusion nozzle.

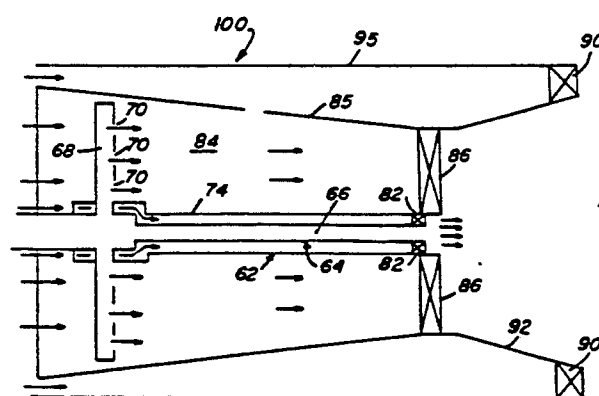


FIG.3

EP 0 269 824 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	EP-A-0 108 361 (KROCKOW) * Page 3, line 37 - page 5, line 35; page 12, line 20 - page 14, line 25; figures 1,5,6 *	1,6	F 23 R 3/28 F 23 R 3/34 F 23 D 11/00
Y	---	2,3,4,5	
Y,D	US-A-4 292 801 (WILKES) * Whole document *	2,3,4,5	
A	---		
A	EP-A-0 095 788 (BRÜHWILER) * Whole document *	1,6	
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A	US-A-4 389 848 (MARKOWSKI) * Whole document *	1-6	
A	---		
A	US-A-3 958 416 (HAMMOND, Jr.) * Whole document *	1-6	
A	---		
A	US-A-3 886 728 (QUINN) * Whole document *	1-6	
A	---		
A	FR-A-2 086 476 (BOBO)		TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	---		
A	DE-A-2 613 589 (SAKAKI) -----		F 23 R F 23 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 04-03-1988	Examiner IVERUS D.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	